

A²
and 14
of the shield 70, thereby holding all of the above components within the shield (or detector housing). The forward end of the shield 70 is threaded to facilitate attachment of a photo-multiplier tube 72 (Figure 1) in conventional fashion, and the combined detector may then be located in a tool housing (not shown).--

IN THE CLAIMS

Please substitute the following amended claim(s) for corresponding claim(s) 3 and 7 previously presented. A copy of the amended claim(s) showing current revisions is attached.

A³
3. (Amended) The scintillation detector of claim 1 wherein a gadolinium disc covers a rear face of said crystal element.

A⁴
7. (Amended) The scintillation detector of claim 6 wherein said crystal element is wrapped with a reflective tape, and said gadolinium foil is radially between said reflective tape and said stainless steel or titanium sleeve.
